RESEARCH & DEVELOPMENT DEPARTMENT

DiMarco RG
Senior Vice-President, Research & Development

Burger GT Vice President, Advanced Technology Products

Hayes AW Vice President, Bio R&D

Hildebolt WM Vice President, Administrative & Technical Services

Lloyd RA
Vice President, New Product Technologies

Stowe ME
Vice President, Product & Applied Technology

Pharmacology Research

deBethizy JD...Manager, Pharmacology Research

Byrd GD DiNovi MJ Hege RB Munoz JA
Caldwell WS Gentry GB Lovette ME Plowchalk DR
Chang KM Greene JM Meckley DR

Cellular & Molecular Biology

?...Manager, Cellular & Molecular Biology

Blakley RL Douthit GE Long ME Smith CD sa Bombick DW Fernandes KG Lowe GD Steele R Brown BG Griffith DW McManus KT Stewart CA Chapman PA Lee CK M Neumann CL sr White RT Deskin R Lee DA Rahn CA Wolff GL Doolittle DJ sT Lippiello PM Reed EA

M = MASTER SCIENTIST SR = SENIOR SCIENTIST ST = SENIOR TOXICOLOGIST

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Advanced Technology Products
Burger GT...Vice President, Advanced Technology Products

Ademe B Arzonico BW Cole MW

Conner BT Flippin JB Potts CR

Riggs DM Townsend DE P Willis JA

P = PRINCIPAL SCIENTIST

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| Hermann B | Moore DS | Sadler CI | Thome FA M |
| Hicks RD | Nanni EJ | Sheppard ME | Uhrig MS |
| Johnson TJ | Ogden MW | Simmons DF | White EL |
| Jordan FD | Ralapati S | Slater AM | White RT |
| Laurene AH | Risner CH | Stafford LD | Young GW |
| Martin JM | Rix CE | Stennis VB | , cong a m |
| Milhous LA | Ruy C | Thacker FA | |

M = MASTER SCIENTIST SR = SENIOR SCIENTIST

Chemical Research

Dickerson JP...Manager, Chemical Research

Radiochemistry

Best FW

Eble A

Morrison CC

Crooks EL

Montoya MT

Organic Chemistry

Bullings BR Chiou JJG Dull GM Heckman RA sR Martin P R

Perfetti TA M Powell RH Schumacher JN M Shu CK sa Sutton LH Wong MML

Dull GM Newell MP SR

M = MASTER SCIENTIST
R = RESEARCH SCIENTIST
SR = SENIOR SCIENTIST

<u>Administrative & Technical Services</u>

Hildebolt WM...Vice President, Administrative & Technical Services

Administrative Services & Agricultural Sciences

Hardin BV...Director, Administrative Services & Agricultural Sciences

Safety/Maintenance Engineering

?...Manager, Safety/Maintenance Engineering

Maddrey JG

Scott CE

Personnel Administration

Clapp S...Manager, Personnel Administration

Brewer JD

Lawson JD

R&D Administration

?...Manager, R&D Administration

Pegram JR

Agricultural Science

Davis DL...Manager, Agricultural Science

Benezet HJ s

Huffman BB

Miller CR M Mitchem A sR Rodgers MR Smeeton BW M

Bowen MR Burchette KS Hutcheson M Jones EC

Peel D

Helms CW

McLawhorn L Reich RC sR Wilson JB

M = MASTER SCIENTIST

S = SCIENTIST

SR = SENIOR SCIENTIST/COORDINATOR

Technical Services

Threatt HC...Director, Technical Services

Scientific Information

Ralph RE...Program Manager, Scientific Information

Burgess L

Sizemore NW s

Chung HS

Williams RW s

S = SCIENTIST

Statistics

?...Manager, Statistics

Hawley RW A

Line WB sr

Morgan WT s

A = ASSOCIATE STATISTICIAN

S = STATISTICIAN

SR = SENIOR STATISTICIAN

Computer Applications

?...Manager, Computer Applications

Morton MJ s

Steichen TJ sa

S = SCIENTIST

SR = SENIOR SCIENTIST

Wheeler JP...Manager, R&D Planning Mansfield CT

Analytical Services

Hodge BT...Manager, Analytical Services

Aldridge JC Beard KA Coleman WM Flynt PA Hedspeth JS Lynm D

Perfetti PF s

Pugh DD

Rowe LL Stancill MW Vassey JJ Warden J T Watkins MA Wynn WO

Dixon CH Dobbins JT M

M = MASTER SCIENTIST S = SCIENTIST T = TECHNOLOGIST

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Product & Applied Technology

Stowe ME...Vice President, Product & Applied Technology

Brands Technology

DuFour WM...Director, Brands Technology

Flavor Technology

Lawrence BM...Manager, Flavor Technology

Beeson D Crews RD

Harper EA

Ho CT Lee DB

McGee CD

Mereschak CJ Redding JW

Shore RG M

M = MASTER SCIENTIST

Product Design Technology

?...Manager, Product Design Technology

Andersen GR Bernasek E

deLacy R Fagg BS

Sanders NC

Brands R&D

Willard RL...Director, Brands R&D

Tobacco Standards

Rivers JM...Manager, Tobacco Standards Long T

Brands R&D

Inman LJ...Manager, Brands R&D

Bates LE Jakob SW Phillips PD Trogdon MD Wallace GW

Basic Research

?...Director, Basic Research

Aerosol Research

Ingebrethsen BJ...Manager, Aerosol Research

Brooks JL Casey WJ sr. Cole SK

Eaker DW sR Guess HE

Harris JL

Lewis LS

Lockamy FM Norman AB Robinson AL Sears SB SR

Sharaf MA Simmons JS Squires WC s

Swicegood KW

Dube MF S = SCIENTIST

SR = SENIOR SCIENTIST

Analytical Chemistry

Elder JF...Manager, Analytical Chemistry

Blume DE Bodnar JE Borgerding MF Clapp WL sr Colby DA SR Conner TR

Diffee JT Dunn RS Fowler KW Fulp GW

Greene GH Hamlin WC Hellmann GB

Bridle KA Cash SL Chung SL

Cooper PJ Craver MK Creamer GE

Gentry JS Gordon BM

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New Product Technologies

Lloyd RA...Vice President, New Product Technologies

Product Technology & Development

?...Director, Product Technology & Development

Mechanical Fabrication

Woempner MG...Group Manager, Mechanical Fabrication Beard HS Marritt CR Pryor JW

Davis JW Nelson JL

Applied Packaging Technology

Butler JP...Manager, Applied Packaging Technology

Bailey JA Deal PA Langley WHAH Yeatts RE

Barnes RD * Evans SD Marion MA
Blakley DB Hein CC + Schechter AH
Carespodi DL Koschak MS Svezia J

* = Original Premier project

+ = A flyer introducing "The Wrap" is signed by Hein as Vice President, Packaging Research & Development

Materials Development

O'Connor LH...Manager, Materials Development

Baker K * Gentry TL * Morris E * Straka DC Banerjee CK * Graves WM Pogrow RM Toft HC Bradford BP **Hutcherson RW** Resce JL * White JL Carpenter CR Johnson DP Ridings HT Woods DK Cody WG Lehman RL *+ Serageldin MA * Young HJ Conrad LJ Leonard GE Shelar GR *

Conrad LJ Leonard GE Shelar GR
Cook WR Manning CR * Smith KW

* = Original premier project

+ = Lehman may have left RJR, since new patents show a New Jersey address

Development

Shannon MD...Manager, Development

Clearman JF Hauser HA Raker ML Williams DD Fleming WF Hayden RF Saintsing BL Worrell GW Frye DR Hester BL Sink TS Furin OP Milford EC Stewart GM

Gonzalez-Parra A Oglesby RL Welch JD
Greene TB Potter DL Westmoreland AE

Bio R&D

Haves AW...Vice President, Bio R&D, Corporate Toxicologist Peay JA...Executive Secretary

Smoking & Health

Simmons WS...Director, Smoking & Health SS Suber RL...Manager, Scientific Issues Rees C...? SS = SENIOR STAFF SCIENTIST

Biochemical/Biobehavioral

?...Director, Biochemical/Biobehavioral

Environmental Tobacco Smoke

?...Manager, Environmental Tobacco Smoke

Angel AL

Deluca PO

Maiolo KC

Walsh RF

Boldridge DW sR

Eudy LW

Murphy JJ Nelson PR

Conner JM Conrad FL

Heavner DL Kay DLC

Oldaker GB sR

SR = SENIOR SCIENTIST

Biobehavioral Research

Reynolds JH...Manager, Biobehavioral Research P

Avalos JT

Fishel DB

Gorsel P

Pritchard WS Robinson JH

Chamberlin CL Davis RA Edens MS

Fletcher RG Fluhler EN Gilbert DB

Hagen RL Kirschman JC McCarthy K

Simmons PS Speilberger CD

P = PRINCIPAL SCIENTIST

Sensory Evaluation

Savoca MR...Manager, Sensory Evaluation

Clayborn V Early PD

Jennings RD Kurtz DB sa Shore FM Smith L

Wallace MD Womble KM

Gignac JM Gilbert M

Liu AW Mangan PP s

Syvarth AS Teot KMK

Gordin HH Janjigian U Needs KA Ryan GA

Thompson JE Walker JC sa

S = SCIENTIST

SR = SENIOR SCIENTIST

Toxicology Research

?...Director, Toxicology Research

Applied Toxicology

Crooks PA...Manager, Applied Toxicology

Ayres PH

Gerald L

Hayes JR

Reynolds SA

Townsend JW

Coggins CRT MT Frith CH

James RA Mosberg AT MT

Rice WY Saunders S sa Shreve WK

Phelps RL MT = MASTER TOXICOLOGIST

SR = SENIOR SCIENTIST

Process Technology & Development

Pugh DR...Director, Process Technology & Development

Process R&D

?...Manager, Process R&D

Dominguez LM

LeBlanc AH

Stump F

Lane WH

Seymour SK

Wright KJ

Manufacturing Process Engineering

Culp GD...Manager, Manufacturing Process Engineering Barnes VB

Haberkern RG

Martin JR

Burcham WE

Hancock LH

Pinkham JR

Shore JW

French WJ Grubbs RE Howard TE Huff RG

Sides LW

Process Development

Baker MN...Program Manager, Process Development Mays CD...Program Manager, Process Development

Brown TW SR

Clark DC E

Kramer Al

Stewart JE

Stigall JA

Wilkinson DR

Butner DC Calleson D Emken RA Farrier ES M McArthur CS Miller M P

Wagoner MA Williard DG

Casstevens MJ

Holt DL

Niven BF

E = ENGINEER

M = MASTER ENGINEER

P = PRINCIPAL ENGINEER

SR = SENIOR ENGINEER

Process Engineering

?...Manager, Process Engineering

Bryant BL

Heikel RJ

Henderson RM

Merricks RA SR

Mitchell JM

Curtis CH

Coleman DB +

Joyce JR

Thomasson JS

Foote RA McHone DR Warren HH

SR = SENIOR ENGINEER

+ = Coleman allegedly lives/lived in Richmond, Virginia

Optical Technology

?...Manager, Optical Technology

Collett WR

Henderson CW

Madding JG

deMey CF Hawley NH

Jarvis CW Lassiter WR

McConnell BC Warren MA

Wright DL

Williams EL